

Figure 1: General description of the polyphage principle

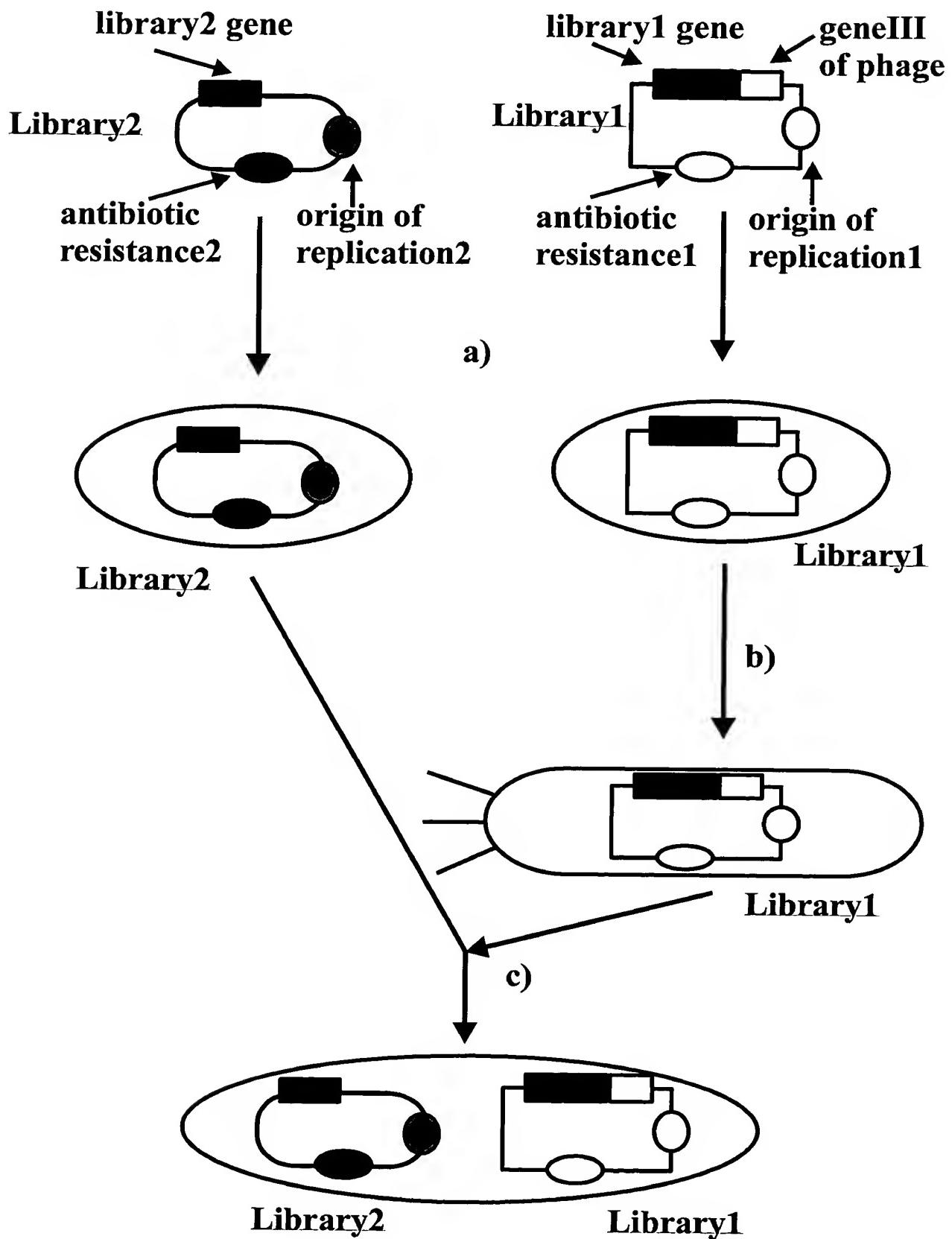


Figure 1: General description of the polyphage principle (cont.)

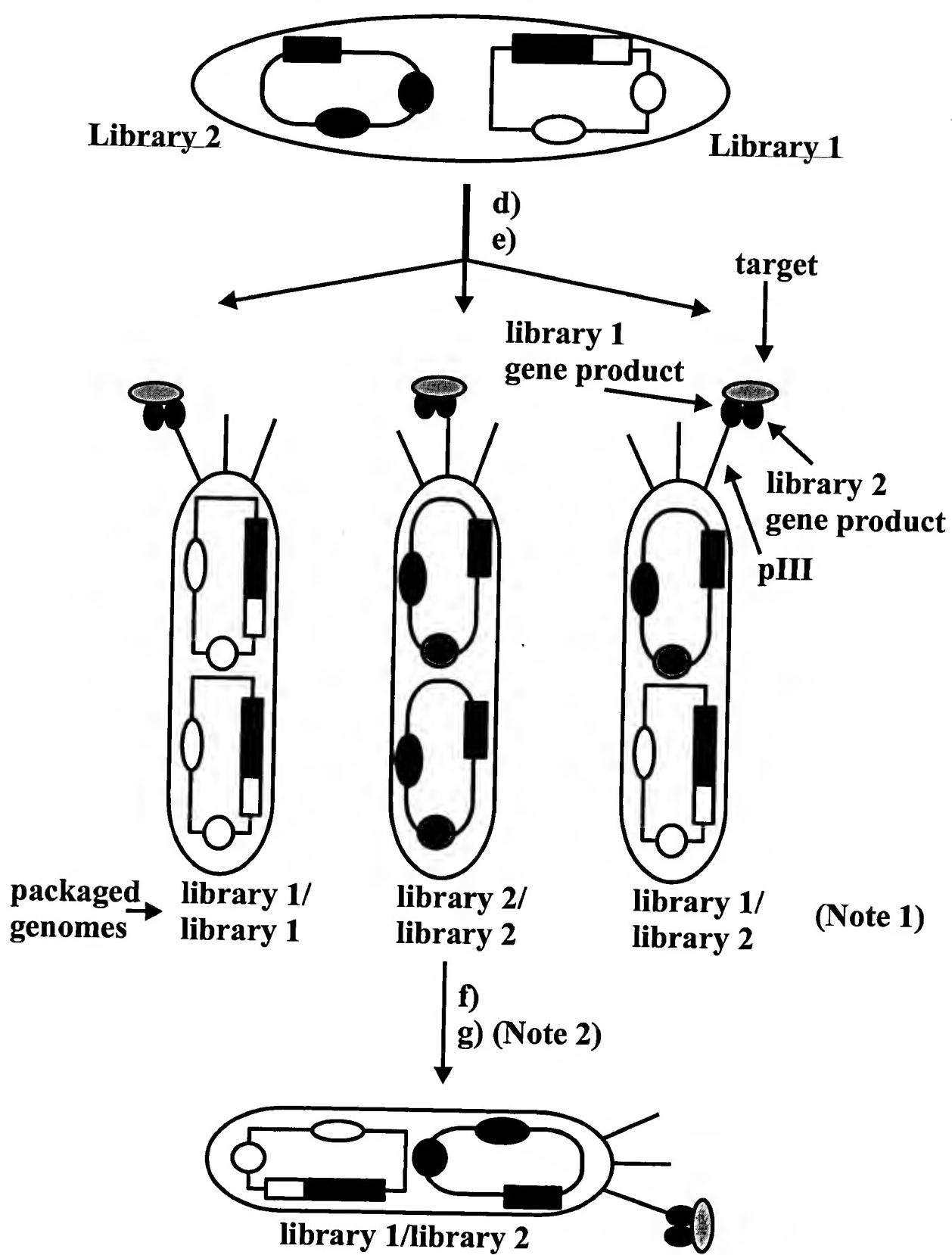
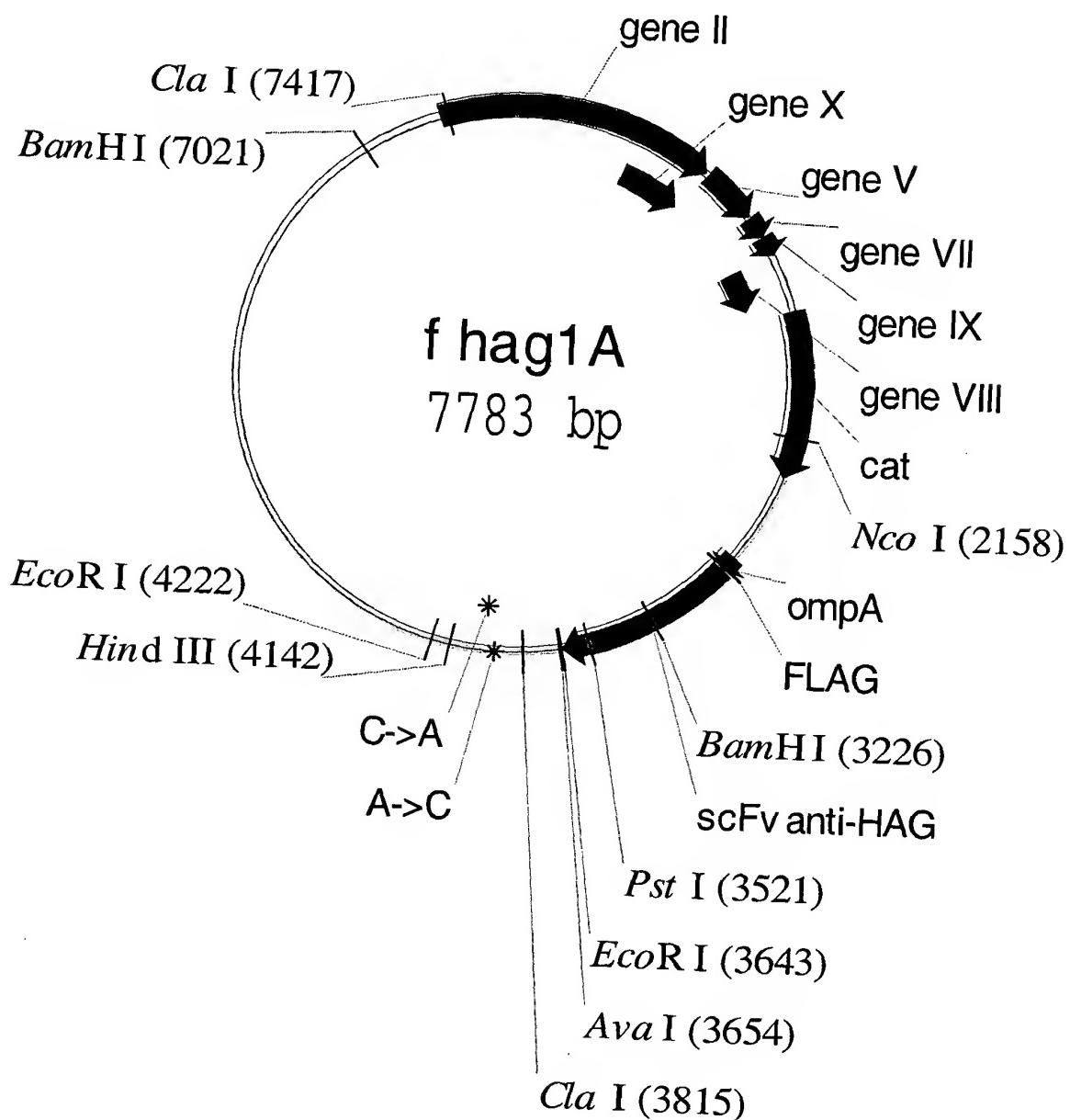


Figure 2



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TTTACTTTA TATCGATTG TCCAATACT GGTAAACGCT TTACATAGAT

101 ATGGTCAAAC TAAATCTACT CGTCGCAGA ATTGGGAATC AACTGTTACA
TACCAGTTG ATTTAGATGA GCAAGCGTCT TAACCCTAG TTGACAATGT

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ACCTTACTTT GAAGGTCTGT GGCATGAAAT CAACGTATAA ATTTTGTACA

201 TGA ACTACAG CACCAGATT AGCAATTAAG CTCTAAGCCA TCCGAAAAAA
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251 TGACCTCTTA TCAAAAGGAG CAATTAAAGG TACTGTCTAA TCCTGACCTG
ACTGGAGAAT AGTTTCCTC GTTAATTCC ATGACAGATT AGGACTGGAC

301 TTGGAATTG CTTCCGGTCT GGTCGCTTT GAGGCTCGAA TTGAAACGCG
AACCTAAAC GAAGGCCAGA CCAAGCGAAA CTCCGAGCTT AACTTGCAC

351 ATATTTGAAG TCTTCGGGC TTCCTCTTAA TCTTTTGAT GCAATTGCT
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EcoRI

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EcoRI

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ATCGAGGGCA AGACTAAGAT TGCTCCTTTC GTGCAACATG CACGAGCAGT  
  
6851 AAGCAACCACAT AGTACGCGCC CTGTAGCGGC GCATTAAGCG CGGCGGGTGT  
TTCGTTGGTA TCATGCGCGG GACATCGCCG CGTAATTTCGC GCCGCCACAA  
  
6901 GGTGGTTACG CGCAGCGTGA CCGCTACACT TGCCAGCGCC CTAGCGCCCG  
CCACCAATGC CGTTCGCACT GGCGATGTGA ACGGTCGCGG GATCGCGGGC  
  
6951 CTCCCTTCGC TTTCTCCCT TCCTTCTCG CCACGTTCTC CGGCTTCCC  
GAGGAAAGCG AAAGAAGGGA AGGAAAGAGC GGTGCAAGAG GCCGAAAGGG

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7001 CGTCAAGCTC TAAATCGGG GATCCCTTA GGGTTCCGAT TTAGTGCTTT
GCAGTCGAG ATTAGCCCC CTAGGGAAAT CCCAAGGCTA AATCACGAAA

7051 ACGGCACCTC GACCTCCAAA AACTTGATTT GGGTGATGGT TCACGTAGTG
TGCCGTGGAG CTGGAGGTTT TTGAACCTAAA CCCACTACCA AGTGCATCAC

7101 GGCCATCGCC CTGATAGACG GTTTTCGCC CTTTGACGTT GGAGTCCACG
CCGGTAGCGG GACTATCTGC CAAAAAGCGG GAAACTGCAA CCTCAGGTGC

7151 TTCTTTAATA GTGGACTCTT GTTCCAAACT GGAACAACAC TCACAACTAA
AAGAAATTAT CACCTGAGAA CAAGGTTGA CCTTGTGTG AGTGTGATT

7201 CTCGGCCTAT TCTTTGATT TATAAGGATT TTTGTCATTT TCTGCTTACT
GAGCCGGATA AGAAAACCTAA ATATTCCCTAA AAACAGTAAA AGACGAATGA

7251 GGTTAAAAAA TAAGCTGATT TAACAAATAT TTAACGCGAA ATTTAACAAA
CCAATTTTT ATTGACTAA ATTGTTATA AATTGCGCTT TAAATTGTTT

7301 ACATTAACGT TTACAATTAA AATATTGCT TATACAATCA TCCTGTTTT
TGTAATTGCA AATGTTAAAT TTATAAACGA ATATGTTAGT AGGACAAAAAA

7351 GGGGCTTTTC TGATTATCAA CCGGGGTACA TATGATTGAC ATGCTAGTTT
CCCCGAAAAG ACTAATAGTT GGCCCCATGT ATACTAACTG TACGATCAAA

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7401 TACGATTACC GTTCATCGAT TCTCTGTT GCTCCAGACT TTCAGGTAAT  
ATGCTAATGG CAAGTAGCTA AGAGAACAAA CGAGGGTCTGA AAGTCCATTA  
  
7451 GACCTGATAG CCTTTGAGA CCTCTCAAAA ATAGCTACCC TCTCCGGCAT  
CTGGACTATC GGAAACATCT GGAGAGTTT TATCGATGGG AGAGGCCGTA  
  
7501 GAATTTATCA GCTAGAACGG TTGAATATCA TATTGACGGT GATTTGACTG  
CTTAAATAGT CGATCTGCC AACTTATAGT ATAAC TGCCA CTAAACTGAC  
  
7551 TCTCCGGCCT TTCTCACCCG TTTGAATCTT TGCCTACTCA TTACTCCGGC  
AGAGGCCGGA AAGAGTGGGC AAACCTAGAA ACGGATGAGT AATGAGGCG  
  
7601 ATTGCATTTA AAATATATGA GGGTTCTAAA AATTTTATC CCTGCGTTGA  
TAACGTAAAT TTTATATACT CCCAAGATT TTAAAAATAG GGACGCAACT  
  
7651 AATTAAGGCT TCACCAGCAA AAGTATTACA GGGTCATAAT GTTTTGGTA  
TTAATTCCGA AGTGGTCGTT TTCATAATGT CCCAGTATTA CAAAAACCAT  
  
7701 CAACCGATTG AGCTTTATGC TCTGAGGCTT TATTGCTTAA TTTTGCTAAC  
GTTGGCTAAA TCGAAATACG AGACTCCGAA ATAACGAATT AAAACGATTG  
  
7751 TCTCTGCCTT GCTTGTACGA TTTATTGGAT GTT  
AGAGACGGAA CGAACATGCT AAATAACCTA CAA

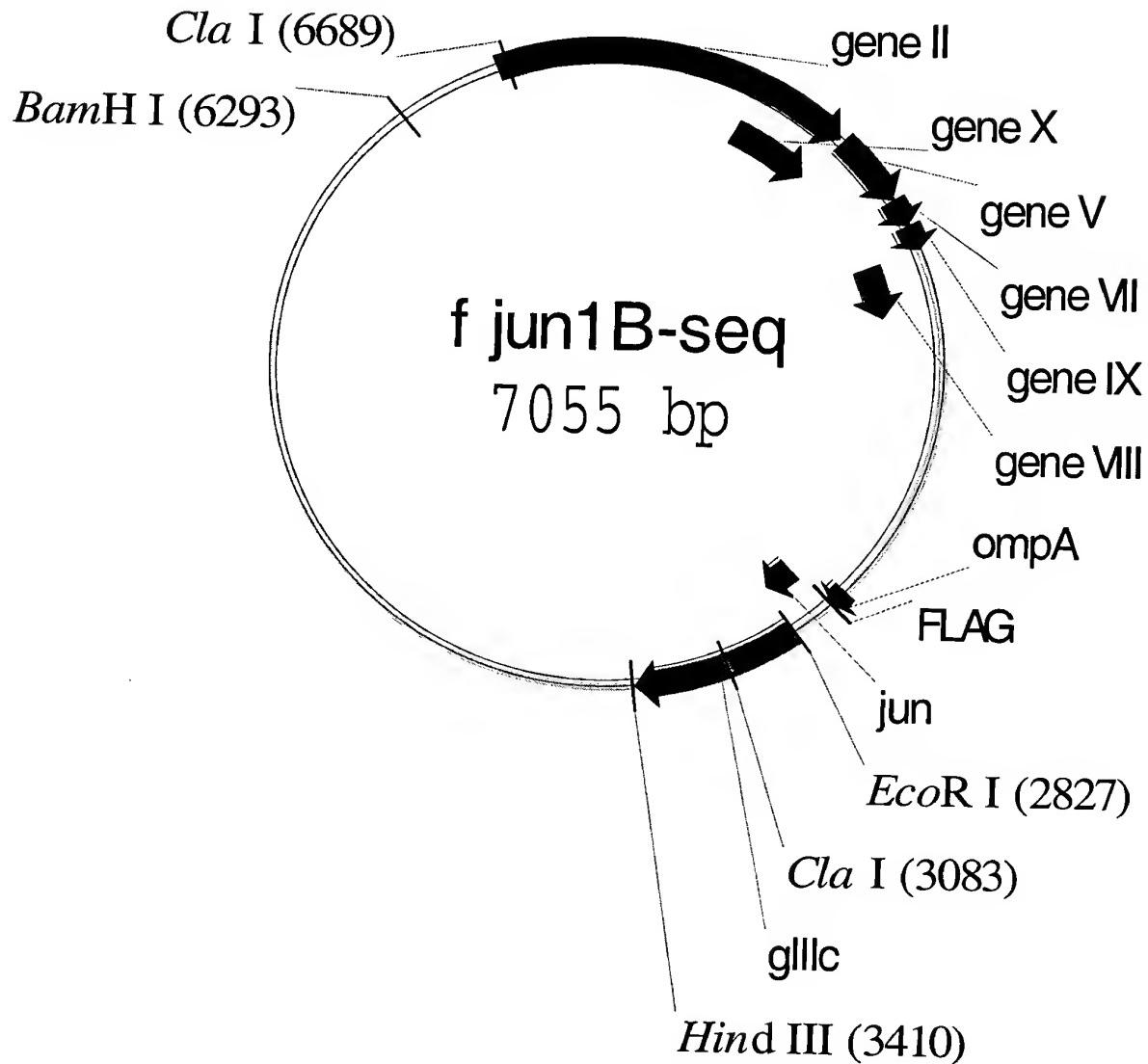
Figure 2K

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7401 TACGATTACC GTTCATCGAT TCTCTTGT TT GCTCCAGACT TTCAGGTAAT  
ATGCTAATGG CAAGTAGCTA AGAGAACAAA CGAGGTCTGA AAGTCCATTA  
  
7451 GACCTGATAG CCTTTGTAGA CCTCTCAAAA ATAGCTACCC TCTCCGGCAT  
CTGGACTATC GGAAACATCT GGAGAGTTT TATCGATGGG AGAGGCCGTA  
  
7501 GAATTTATCA GCTAGAACGG TTGAATATCA TATTGACGGT GATTGACTG  
CTTAAATAGT CGATCTGCC AACTTATAGT ATAAC TGCCA CTAAACTGAC  
  
7551 TCTCCGGCCT TTCTCACCCG TTTGAATCTT TGCCCTACTCA TTACTCCGGC  
AGAGGCCGGA AAGAGTGGGC AAACCTAGAA ACGGATGAGT AATGAGGCCG  
  
7601 ATTGCATTAA AAATATATGA GGGTTCTAAA AATTTTATC CCTGCGTTGA  
TAACGTAAAT TTTATATACT CCCAAGATT TTAAAAATAG GGACGCAACT  
  
7651 AATTAAGGCT TCACCCAGCAA AAGTATTACA GGGTCATAAT GTTTTGTTA  
TTAATTCCGA AGTGGTCGTT TTCATAATGT CCCAGTATTA CAAAAACCAT  
  
7701 CAACCGATTT AGCTTTATGC TCTGAGGCTT TATTGCTTAA TTTTGCTAAC  
GTTGGCTAAA TCGAAATACG AGACTCCGAA ATAACGAATT AAAACGATTG  
  
7751 TCTCTGCCTT GCTTGTACGA TTTATTGGAT GTT  
AGAGACGGAA CGAACATGCT AAATAACCTA CAA

**Figure 3**



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1 AACGCTACTA CCATTAGTAG AATTGATGCC ACCTTTCA G CTCGCGCCCC  
TTGCGATGAT GGTAAATCATC TTAAC TACGG TGGAAAAGTC GAGCGCGGGG

51 AAATGAAAAT ATAGCTAAC AGGTTATTGA CCATTGCGA AATGTATCTA  
TTTACTTTA TATCGATTG TCCAATACT GGTAAACGCT TTACATAGAT

101 ATGGTCAAAC TAAATCTACT CGTCGCAGA ATTGGGAATC AACTGTTACA  
TACCAGTTG ATTTAGATGA GCAAGCGTCT TAACCCTTAG TTGACAATGT

151 TGGAAATGAAA CTCCAGACA CCGTACTTTA GTTGCATATT TAAAACATGT  
ACCTTACTTT GAAGGTCTGT GGCATGAAAT CAACGTATAA ATTTTGTACA

201 TGAACTACAG CACCAGATT AGCAATTAAG CTCTAAGCCA TCCGCAAAAAA  
ACTTGATGTC GTGGTCTAAG TCGTTAATTG GAGATTGCGT AGGC GTTTTT

251 TGACCTCTTA TCAAAAGGAG CAATTAAAGG TACTGTCTAA TCCTGACCTG  
ACTGGAGAAT AGTTTCCCTC GTTAATTTC ATGACAGATT AGGACTGGAC

301 TTGGAATTG CTCCGGTCT GGTCGCTTT GAGGCTCGAA TTGAAACGCG  
AACCTTAAAC GAAGGCCAGA CCAAGCGAAA CTCCGAGCTT AACTTGCAC

351 ATATTGAAAG TCTTCGGGC TTCCTCTTAA TCTTTTGAT GCAATTGCT  
TATAAACTTC AGAAAGCCCG AAGGAGAATT AGAAAAACTA CGTTAAGCGA

401 TTGCTTCTGA CTATAATAGA CAGGGTAAAG ACCTGATTT TGATTTATGG  
AACGAAGACT GATATTATCT GTCCCATTTC TGGACTAAAA ACTAAATACC

451 TCATTCTCGT TTTCTGA ACT GTTAAAGCA TTTGAGGGGG ATTCAATGAA  
AGTAAGAGCA AAAGACTTGA CAAATTCGT AAACCCCCC TAAGTTACTT

501 TATTTATGAC GATTCCGCAG TATTGGACGC TATCCAGTCT AAACATTTA  
ATAAATACTG CTAAGGCCTC ATAACCTGCG ATAGGTCAGA TTTGTAAAAT

551 CAATTACCCC CTCTGGCAAA ACTTCCTTTG CAAAGCCTC TCGCTATT  
GTAAATGGGG GAGACCGTT TGAAGGAAAC GTTTCTGGAG AGCGATAAAA

601 GGTTTCTATC GTCGTCTGGT TAATGAGGGT TATGATAGTG TTGCTCTTAC  
CCAAAGATAG CAGCAGACCA ATTACTCCCA ATACTATCAC AACGAGAATG

651 CATGCCTCGT AATTCTTTT GGCGTTATGT ATCTGCATTA GTTGAGTGTG  
GTACGGAGCA TTAAGGAAA CCGCAATACA TAGACGTAAT CAACTCACAC

701 GTATTCTAA ATCTCAATTG ATGAATCTTT CCACCTGTAA TAATGTTGTT  
CATAAGGATT TAGAGTTAAC TACTTAGAAA GGTGGACATT ATTACAACAA

751 CCGTTAGTTC GTTTTATTAA CGTAGATTTC TCCTCCCAAC GTCCTGACTG  
GGCAATCAAG CAAAATAATT GCATCTAAAA AGGAGGGTTG CAGGACTGAC

801 GTATAATGAG CCAGTTCTTA AAATCGCATA AGGTAATTCA AAATGATTAA  
CATATTACTC GGTCAAGAAT TTTAGCGTAT TCCATTAAGT TTTACTAATT

851 AGTTGAAATT AAACCGTCTC AAGCGCAATT TACTACCGT TCTGGTGT  
TCAACTTTAA TTTGGCAGAG TTGCGTTAA ATGATGGGCA AGACCACAAA

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901 CTCGTCAGGG CAAGCCTTAT TCACTGAATG AGCAGCTTG TTACGTTGAT  
GAGCAGTCCC GTTCGGAATA AGTGACTTAC TCGTCGAAAC AATGCAACTA  
  
951 TTGGGTAATG AATATCCGGT GCTGTCAAG ATTACTCTCG ACGAAGGTCA  
AACCCATTAC TTATAGGCCA CGAACAGTTC TAATGAGAGC TGCTTCCAGT  
  
1001 GCCAGCGTAT GCGCCTGGTC TGTACACCCT GCATCTGTCC TCGTTCAAAG  
CGGTCGCATA CGCGGACCAG ACATGTGGCA CGTAGACAGG AGCAAGTTTC  
  
1051 TTGGTCAGTT CGGTTCTCTT ATGATTGACC GTCTGCGCCT CGTTCCGGCT  
AACCAGTCAA GCCAAGAGAA TACTAACTGG CAGACGCGGA GCAAGGCCGA  
  
1101 AAGTAACATG GAGCAGGTG CGGATTTCGA CACAATTTAT CAGGCGATGA  
TTCATTGTAC CTCGTCCAGC GCCTAAAGCT GTGTTAAATA GTCCGCTACT  
  
1151 TACAAATCTC CGTTGTACTT TGTTTCGCGC TTGGTATAAT CGCTGGGGGT  
ATGTTTAGAG GCAACATGAA ACAAAAGCGCG AACCATATTA GCGACCCCCA  
  
1201 CAAAGATGAG TGTTTTAGTG TATTCTTCG CCTCTTCGT TTTAGGTTGG  
GTTTCTACTC ACAAAATCAC ATAAGAAAGC GGAGAAAGCA AAATCCAACC  
  
1251 TGCCTTCGTA GTGGCATTAC GTATTTTACC CGTTTAATGG AAACCTCCTC  
ACGGAAGCAT CACCGTAATG CATAAAATGG GCAAATTACC TTTGAAGGAG  
  
1301 ATGCGTAAGT CTTTAGTCCT CAAAGCCTCC GTAGCCGTTG CTACCCCTCGT  
TACGCATTCA GAAATCAGGA GTTTCGGAGG CATCGGCAAC GATGGGAGCA  
  
1351 TCCGATGCTG TCTTCGCTG CTGAGGGTGA CGATCCCGCA AAAGCGGCCT  
AGGCTACGAC AGAAAGCGAC GACTCCCACT GCTAGGGCGT TTTCGCCGGA  
  
1401 TTGACTCCCT GCAAGCCTCA GCGACCGAAT ATATCGGTTA TGCCTGGGGCG  
AACTGAGGGA CGTCGGAGT CGCTGGCTTA TATAGCCAAT ACGCACCCGC  
  
1451 ATGGTTGTTG TCATTGTCGG CGCAACTATC GGTATCAAGC TGTTTAAGAA  
TACCAACAAAC AGTAACAGCC GCGTTGATAG CCATAGTTCG ACAAAATTCTT  
  
1501 ATTCAACCTCG AAAGCAAGCT GATAAAGGAG GTTCTCGAT CGAGACGTTN  
TAAGTGGAGC TTTCGTTCGA CTATTCCTC CAAAGAGCTA GCTCTGCAAN  
  
1551 NNNNGAGGTTTC CAACTTCAC CATAATGAAA TAAGATCACT ACCGGCGTA  
NNNCTCCAAG GTTGAAAGTG GTATTACTTT ATTCTAGTGA TGGCCCGCAT  
  
1601 TTTTTGAGT TATCGAGATT TTCAGGAGCT AAGGAAGCTA AAATGGAGAA  
AAAAAAACTCA ATAGCTCTAA AAGTCCTCGA TTCCTTCGAT TTTACCTCTT  
  
1651 AAAAATCACT GGATATACCA CCGTTGATAT ATCCCAATGG CATCGTAAAG  
TTTTTAGTGA CCTATATGGT GGCAACTATA TAGGGTTACC GTAGCATTC  
  
1701 AACATTTGA GGCATTTCAAG TCAGTTGCTC AATGTACCTA TAACCAGACC  
TTGTAAAATC CCGTAAAGTC AGTCAACGAG TTACATGGAT ATTGGTCTGG  
  
1751 GTTCAGCTGG ATATTACGGC CTTTTAAAG ACCGTAAAGA AAAATAAGCA  
CAAGTCGACC TATAATGCCG GAAAAATTTC TGGCATTCT TTTTATTCTG

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1801 CAAGTTTAT CCGGCCTTA TTCACATTCT TGCCCGCCTG ATGAATGCTC  
GTTCAAAATA GGCGGAAAT AAGTGTAAGA ACGGGCGGAC TACTTACGAG

1851 ATCCGGAGTT CCGTATGGCA ATGAAAGACG GTGAGCTGGT GATATGGGAT  
TAGGCCTCAA GGCATACCGT TACCTTCTGC CACTCGACCA CTATACCCTA

1901 AGTGTTCACC CTTGTTACAC CGTTTCCAT GAGCAAAC TG AAACGTTTC  
TCACAAGTGG GAACAATGTG GCAAAAGGTA CTCGTTGAC TTTGCAAAAG

1951 ATCGCTCTGG AGTGAATACC ACGACGATTT CCGGCAGTTT CTACACATAT  
TAGCGAGACC TCACTTATGG TGCTGCTAAA GGCGTCAAA GATGTGTATA

2001 ATTGCAAGA TGTGGCGTGT TACGGTGAAA ACCTGGCCTA TTTCCCTAAA  
TAAGCGTTCT ACACCGCACA ATGCCACTTT TGGACCGGAT AAAGGGATTT

2051 GGGTTTATTG AGAATATGTT TTTCGTCTCA GCCAATCCCT GGGTGAGTTT  
CCCAAATAAC TC TTATACAA AAAGCAGAGT CGGTTAGGGA CCCACTCAAA

2101 CACCAAGTTT GATTAAACG TAGCCAATAT GGACAACCTTC TTGCCCCCG  
GTGGTCAAAA CTAAATTGTC ATCGGTTATA CCTGTTGAAG AAGCGGGGGC

2151 TTTTCACTAT GGGCAAATAT TATACGCAAG GCGACAAGGT GCTGATGCCG  
AAAAGTGATA CCCGTTTATA ATATGCGTTC CGCTGTTCCA CGACTACGGC

2201 CTGGCGATT AGGTCATCA TGCCGTTGT GATGGCTTCC ATGTCGGCAG  
GACCGCTAAC TCCAAGTAGT ACGGCAAACA CTACCGAAGG TACAGCCGTC

2251 AATGCTTAAT GAATTACAAC AGTACTGCGA TGAGTGGCAG GGCAGGGCGT  
TTACGAATTA CTTAATGTTG TCATGACGCT ACTCACCGTC CCGCCCCGCA

2301 AATTTTTTA AGGCAGTTAT TG GTGCCCTT AAACGCCTGG TGCTAGCCTG  
TTAAAAAAAT TCCGTCAATA ACCACGGGAA TTTGCGGACC ACGATCGGAC

2351 AGGCCAGTTT GCTCAGGCTC TCCCCGTGGA GGTAATAATT GCTCGACCGA  
TCCGGTCAAA CGAGTCCGAG AGGGGCACCT CCATTATTAA CGAGCTGGCT

2401 TAAAAGCGGC TTCCGTACAG GAGGCCGTTT TGTTTGAG CCCCACCTCAA  
ATTTTCGCCG AAGGACTGTC CTCCGGCAAA ACAAAACGTC GGGTGGAGTT

2451 CGCAATTAAT GTGAGTTAGC TCACTCATTA GGCACCCAG GCTTTACACT  
GCGTTAATTA CACTCAATCG AGTGAGTAAT CGTGGGGTC CGAAATGTGA

2501 TTATGCTTCC GGCTCGTATG TTGTGTGGAA TTGTGAGCGG ATAACAATTT  
AATACGAAGG CCGAGCATAAC AACACACCTT AACACTCGCC TATTGTTAAA

2551 CACACAGGAA ACAGCTATGA CCATGATTAC GAATTCTAG ATAACGAGGG  
GTGTGTCCTT TGTCGATACT GGTACTAATG CTTAAAGATC TATTGCTCCC

2601 CAAAAAAATGA AAAAGACAGC TATCGCGATT GCAGTGGCAC TGGCTGGTTT  
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2651 CGCTACCGTA GCGCAGGCCG ACTACAAAGA TGTCGACGCC GGTGGTCGGA  
GCGATGGCAT CGCGTCCGGC TGATGTTCT ACAGCTGC GG CCACCAGCCT

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2701 TCGCCCGGCT AGAGGAAAAA GTGAAAACCT TGAAAGCGCA AAACCTCCGAG  
AGCGGGCCGA TCTCCTTTT CACTTTGGA ACTTCGCGT TTTGAGGCTC

2751 CTGGCGTCCA CGGCCAACAT GCTCAGGGAA CAGGTGGCAC AGCTTAAACA  
GACCGCAGGT GCCGGTTGTA CGAGTCCCTT GTCCACCCTG TCGAATTGT

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2801 GAAAGTCATG AACACACGGTG GTGCCGAATT CAATGCTGGC GGCGGCTCTG  
CTTTCAGTAC TTGGTGCCAC CACGGCTTAA GTTACGACCG CCGCCGAGAC

2851 GTGGTGGTTC TGGTGGCGGC TCTGAGGGTG GTGGCTCTGA GGGTGGCGGT  
CACCACCAAAG ACCACCGCCG AGACTCCCAC CACCGAGACT CCCACCGCCA

2901 TCTGAGGGTG GCGGCTCTGA GGGAGGCGGT TCCGGTGGTG GCTCTGGTTC  
AGACTCCCAC CGCCGAGACT CCCTCCGCCA AGGCCACCAC CGAGACCAAG

2951 CGGTGATTT GATTATGAAA AGATGGCAAA CGCTAATAAG GGGGCTATGA  
GCCACTAAAA CTAATACTTT TCTACCGTTT GCGATTATTC CCCCAGATACT

3001 CCGAAAATGC CGATGAAAAC GCGCTACAGT CTGACGCTAA AGGCAAACCT  
GGCTTTACG GCTACTTTTG CGCGATGTCA GACTGCGATT TCCGTTGAA

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3051 GATTCTGTCG CTACTGATTA CGGTGCTGCT ATCGATGGTT TCATTGGTGA  
CTAAGACAGC GATGACTAAT GCCACGACGA TAGCTACCAA AGTAACCACT

3101 CGTTTCCGGC CTTGCTAATG GTAATGGTGC TACTGGTGAT TTTGCTGGCT  
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3151 CTAATTCCA AATGGCTCAA GTCGGTGACG GTGATAATTG ACCTTTAATG  
GATTAAGGGT TTACCGAGTT CAGCCACTGC CACTATTAAG TGGAAATTAC

3201 AATAATTCC GTCAATATT ACCTTCCCTC CCTCAATCGG TTGAATGTCG  
TTATTAAAGG CAGTTATAAA TGGAAGGGAG GGAGTTAGCC AACTTACAGC

3251 CCCTTTGTC TTAGCGCTG GTAAACCATA TGAATTTCCT ATTGATTGTG  
GGGAAAACAG AAATCGCGAC CATTGGTAT ACTAAAAGA TAACTAACAC

3301 ACAAAATAAA CTTATTCCGT GGTGTCTTG CGTTCTTTT ATATGTTGCC  
TGTTTATTT GAATAAGGCA CCACAGAAAC GCAAAGAAAA TATACAACGG

3351 ACCTTTATGT ATGTATTTTACGTTGCT AACATACTGC GTAATAAGGA  
TGGAAATACA TACATAAAAG ATGCAAACGA TTGTATGACG CATTATTCC

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3401 GTCTTGATAA GCTTCGAGAA ATTACACCTCG AAAGCAAGCT GATAAACCGA  
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3451 TACAATTAAA GGCTCCTTT GGAGCCTTTT TTTTGGAGA ATTAATTCAA  
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3501 TCATGCCAGT TCTTTGGGT ATTCCGTTAT TATTGCGTTT CCTCGGTTTC

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AGTACGGTCA AGAAAACCCA TAAGGCAATA ATAACGCAA GGAGCCAAAG  
3551 CTTCTGGTAA CTTTGTTCGG CTATCTGCTT ACTTTCCTTA AAAAGGGCTT  
GAAGACCATT GAAACAAGCC GATAGACGAA TGAAAGGAAT TTTTCCCGAA  
3601 CGGTAAGATA GCTATTGCTA TTTCATTGTT TCTTGCTCTT ATTATTGGGC  
GCCATTCTAT CGATAACGAT AAAGTAACAA AGAACGAGAA TAATAACCCG  
3651 TTAACTCAAT TCTTGTGGGT TATCTCTCTG ATATTAGCGC ACAATTACCC  
AATTGAGTTA AGAACACCCA ATAGAGAGAC TATAATCGCG TGTTAATGGG  
3701 TCTGATTTCG TTCAGGGCGT TCAGTTAATT CTCCCGTCTA ATGCGCTTCC  
AGACTAAAAC AAGTCCCGCA AGTCAATTAA GAGGGCAGAT TACGCGAAGG  
3751 CTGTTTTAT GTTATTCTCT CTGTAAAGGC TGCTATTTTC ATTTTGACG  
GACAAAAATA CAATAAGAGA GACATTTCCG ACGATAAAAG TAAAAACTGC  
3801 TTAAACAAAA AATCGTTCT TATTGGATT GGGATAAATA AATATGGCTG  
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3851 TTTATTTGT AACTGGCAA TTAGGCTCTG GAAAGACGCT CGTTAGCGTT  
AAATAAAACA TTGACCGTT AATCCGAGAC CTTTCTGCGA GCAATCGCAA  
3901 GGTAAAGATTG AGGATAAAAT TGTAGCTGGG TGCAAAATAG CAACTAATCT  
CCATTCTAAG TCCTATTTA ACATCGACCC ACGTTTTATC GTTGATTAGA  
3951 TGATTTAAGG CTTCAAAACC TCCCGCAAGT CGGGAGGTTC GCTAAAACGC  
ACTAAATTCC GAAGTTTGG AGGGCGTTCA GCCCTCCAAG CGATTTGCG  
4001 CTCGCGTTCT TAGAATACCG GATAAGCCTT CTATTTCTGA TTTGCTTGCT  
GAGCGCAAGA ATCTTATGGC CTATTGGAA GATAAAGACT AACCGAACGA  
4051 ATTGGTCGTG GTAATGATTG CTACGACGAA AATAAAACG GTTTGCTTGT  
TAACCAGCAC CATTACTAAG GATGCTGCTT TTATTTTGC CAAACGAACA  
4101 TCTTGATGAA TGCGGTACTT GGTTAATAC CCGTTCATGG AATGACAAGG  
AGAACTACTT ACGCCATGAA CCAAATTATG GGCAAGTACC TTACTGTTCC  
4151 AAAGACAGCC GATTATTGAT TGGTTCTTC ATGCTCGTAA ATTGGGATGG  
TTTCTGTCGG CTAATAACTA ACCAAAGAAG TACGAGCATT TAACCCTACC  
4201 GATATTATTT TTCTGTTCA GGATTATCT ATTGTTGATA AACAGGCGCG  
CTATAATAAA AAGAACAAAGT CCTAAATAGA TAACAACAT TTGTCCGCGC  
4251 TTCTGCATTA GCTGAACACG TTGTTTATTG TCGCCGTCTG GACAGAATTA  
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4301 CTTTACCCCT TGCGGCACG TTATATTCTC TTGTTACTGG CTCAAAATG  
GAAATGGGAA ACAGCCGTGA AATATAAGAG AACAAATGACC GAGTTTTAC  
4351 CCTCTGCCTA AATTACATGT TGGTGTGTT AAATATGGTG ATTCTCAATT  
GGAGACGGAT TTAATGTACA ACCACAACAA TTTATACCAAC TAAGAGTTAA

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4401 AAGCCCTACT GTTGAGCGTT GGCTTTATAC TGGTAAGAAT TTATATAACG  
TTCGGGATGA CAACTCGCAA CCGAAATATG ACCATTCTTA AATATATTGC  
  
4451 CATATGACAC TAAACAGGCT TTTTCCAGTA ATTATGATTC AGGTGTTAT  
GTATACTGTG ATTTGTCCGA AAAAGGTCA TAATACTAAG TCCACAAATA  
  
4501 TCATATTAA CCCCTTATTG ATCACACGGT CGGTATTCA AACCATTAAA  
AGTATAAATT GGGGAATAAA TAGTGTGCCA GCCATAAAGT TTGGTAATT  
  
4551 TTTAGGTCAG AAGATGAAAT TAACTAAAAT ATATTGAAA AAGTTTCTC  
AAATCCAGTC TTCTACTTTA ATTGATTTA TATAAACTTT TTCAAAAGAG  
  
4601 GCGTTCTTG TCTTGCATA GGATTGCAT CAGCATTAC ATATAGTTAT  
CGCAAGAAC AGAACGCTAT CCTAAACGTA GTCGTAAATG TATATCAATA  
  
4651 ATAACCCAAC CTAAGCCGGA GGTTAAAAAG GTAGTCTCTC AGACCTATGA  
TATTGGGTTG GATTGCGCCT CCAATTTCAT CATCAGAGAG TCTGGATACT  
  
4701 TTTTGATAAA TTCACTATTG ACTCTTCTCA GCGTCTTAAT CTAAGCTATC  
AAAACTATTT AAGTGATAAC TGAGAAGAGT CGCAGAATTG GATTGATAG  
  
4751 GCTATGTTT CAAGGATTCT AAGGGAAAAT TAATTAATAG CGACGATTAA  
CGATACAAAA GTTCCTAAGA TTCCCTTTA ATTAATTATC GCTGCTAAAT  
  
4801 CAGAAGCAAG GTTATTCCAT CACATATATT GATTATGTA CTGTTCAAT  
GTCTCGTTC CAATAAGGTG GTGTATATAA CTAAATACAT GACAAAGTTA  
  
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ATTTTTCCA TTAAGTTAC TTTAACAAATT TACATTAATT AAAACAAAAG  
  
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AACTACAAAC AAAGTAGTAG AAGAAAACGA GTTCATTAAC TTTACTTATT  
  
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5001 CTGTTATTGT CTCACCTGAT GTTAAAGGTG CAGTGACTGT ATATTCTCT  
GACAATAACA GAGTGGACTA CAATTCCAT GTCACTGACA TATAAGGAGA  
  
5051 GACGTTAACG CTGAAAATTG ACGCAATTTC TTTATCTCTG TTTTACGTGC  
CTGCAATTG GACTTTAAA TGCGTTAAAG AAATAGAGAC AAAATGCACG  
  
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ATTATTAAAA CTATACCAAC CGAGTTAAGG AAGGTATTAA GTCTTTATAT  
  
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TGGGTTTATC AGTCCTAATA TAACTACTTA ACGGTAGTAG ACTATAAGTC  
  
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5301 TAATAAGGGT TGTAGAATTG TTTGTTAAAT CTAATACATC TAAATCCTCA  
ATTATTCCCA ACATCTAAC AAACAATTAA GATTATGTAG ATTTAGGAGT

5351 AATGTATTAT CTGTTGATGG TTCTAACTTA TTAGTAGTTA GCGCCCTAA  
TTACATAATA GACAACCTACC AAGATTGAAT AATCATCAAT CGCGGGGATT

5401 AGATATTTA GATAACCTTC CGCAATTCT TTCTACTGTT GATTTGCCAA  
TCTATAAAAT CTATTGGAAG GCGTTAAAGA AAGATGACAA CTAAACGGTT

5451 CTGACCAGAT ATTGATTGAA GGATTAATT TCGAGGTTCA GCAAGGTGAT  
GACTGGTCTA TAACTAACTT CCTAATTAAA AGCTCCAAGT CGTCCACTA

5501 GCTTAGATT TTTCTTTGC TGCTGGCTCT CAGCGCGGCA CTGTTGCTGG  
CGAAATCTAA AAAGGAAACG ACGACCGAGA GTCGCGCCGT GACAACGACC

5551 TGGTGTAAAT ACTGACCGTC TAACCTCTGT TTTATCTTCT GCGGGTGGTT  
ACCACAATTAA TGACTGGCAG ATTGGAGACA AAATAGAAGA CGCCCACCAA

5601 CGTCGGTAT TTTAACGGC GATGTTTAG GGCTATCAGT TCGCGCATTAA  
GCAAGCCATA AAAATTGCCG CTACAAAATC CCGATAGTCA AGCGCGTAAT

5651 AAGACTAATA GCCATTCAAA AATATTGTCT GTGCCTCGTA TTCTTACGCT  
TTCTGATTAT CGGTAAGTTT TTATAACAGA CACGGAGCAT AAGAATGCGA

5701 TTCAGGTCAG AAGGGTTCTA TTTCTGTTGG CCAGAATGTC CCTTTATTA  
AAGTCCAGTC TTCCAAGAT AAAGACAACC GGTCTTACAG GGAAAATAAT

5751 CTGGTCGTGT AACTGGTGAA TCTGCCAATG TAAATAATCC ATTCAGACG  
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5801 GTTGAGCGTC AAAATGTTGG TATTCTATG AGTGTTCCTC CCGTTGCAAT  
CAACTCGCAG TTTACAACC ATAAAGATAC TCACAAAAAG GGCAACGTTA

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TGTTGCCAAT TAAACGCACT ACCAGTCTGA GAAAACGAGC CACCGGAGTG

6001 TGATTACAAA AACACTTCTC AAGATTCTGG TGTGCCGTTC CTGTCTAAAA  
ACTAATGTTT TTGTGAAGAG TTCTAAGACC ACACGGCAAG GACAGATTTT

6051 TCCCTTAAT CGGCCTCCTG TTTAGCTCCC GTTCTGATTC TAACGAGGAA  
AGGGAAATTA GCCGGAGGAC AAATCGAGGG CAAGACTAAG ATTGCTCCTT

6101 AGCACGTTGT ACGTGCTCGT CAAAGCAACC ATAGTACGCG CCCTGTAGCG  
TCGTGCAACA TGCACGAGCA GTTTCGTTGG TATCATGCGC GGGACATCGC

6151 GCGCATTAAG CGCGCGGGT GTGGTGGTTA CGCGCAGCGT GACCGCTACA  
CGCGTAATTCA GCGCCGCCA CACCACCAAT GCGCGTCGCA CTGGCGATGTT

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6201 CTTGCCAGCG CCCTAGCGCC CGCTCCTTTC GCTTTCTTCC CTTCCTTCT  
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6251 CGCCACGTTC TCCGGCTTTC CCCGTCAAGC TCTAAATCGG GGGATCCCTT
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6301 TAGGGTTCCG ATTTAGTGCT TTACGGCACCC TCGACCTCCA AAAACTTGAT
ATCCCAAGGC TAAATCACGA AATGCCGTGG AGCTGGAGGT TTTTGAACTA

6351 TTGGGTGATG GTTCACGTAG TGGGCCATCG CCCTGATAGA CGGTTTTTCG
AACCCACTAC CAAGTGCATC ACCCGGTAGC GGGACTATCT GCCAAAAAGC

6401 CCCTTGACG TTGGAGTCCA CGTTCTTAA TAGTGGACTC TTGTTCCAAA
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6451 CTGGAACAAC ACTCACAACT AACTCGGCCT ATTCTTTGA TTTATAAGGA
GACCTTGTG TGAGTGTGTA TTGAGCCGGA TAAGAAAATT AAATATTCCCT

6501 TTTTGTCAT TTTCTGCTTA CTGGTTAAAA AATAAGCTGA TTTAACAAAT
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6551 ATTTAACGCG AAATTTAACAA AAACATTAAC GTTTACAATT TAAATATTG
TAAATTGCGC TTTAAATTGT TTTGTAATTG CAAATGTTAA ATTTATAAAC

6601 CTTATACAAT CATCCTGTTT TTGGGGCTTT TCTGATTATC AACCGGGGTA
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6701 TTGCTCCAGA CTTTCAGGTA ATGACCTGAT AGCCTTGTA GACCTCTCAA  
AACGAGGTCT GAAAGTCCAT TACTGGACTA TCGGAAACAT CTGGAGAGTT

6751 AAATAGCTAC CCTCTCCGGC ATGAATTAT CAGCTAGAAC GGTTGAATAT  
TTTATCGATG GGAGAGGCCG TACTTAAATA GTCGATCTTG CCAACTTATA

6801 CATATTGACG GTGATTGAC TGTCTCCGGC CTTTCTCACC CGTTGAATC  
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6901 AAAATTTTA TCCCTGCGTT GAAATTAAGG CTTCACCAGC AAAAGTATTA  
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6951 CAGGGTCATA ATGTTTTGG TACAACCGAT TTAGCTTAT GCTCTGAGGC  
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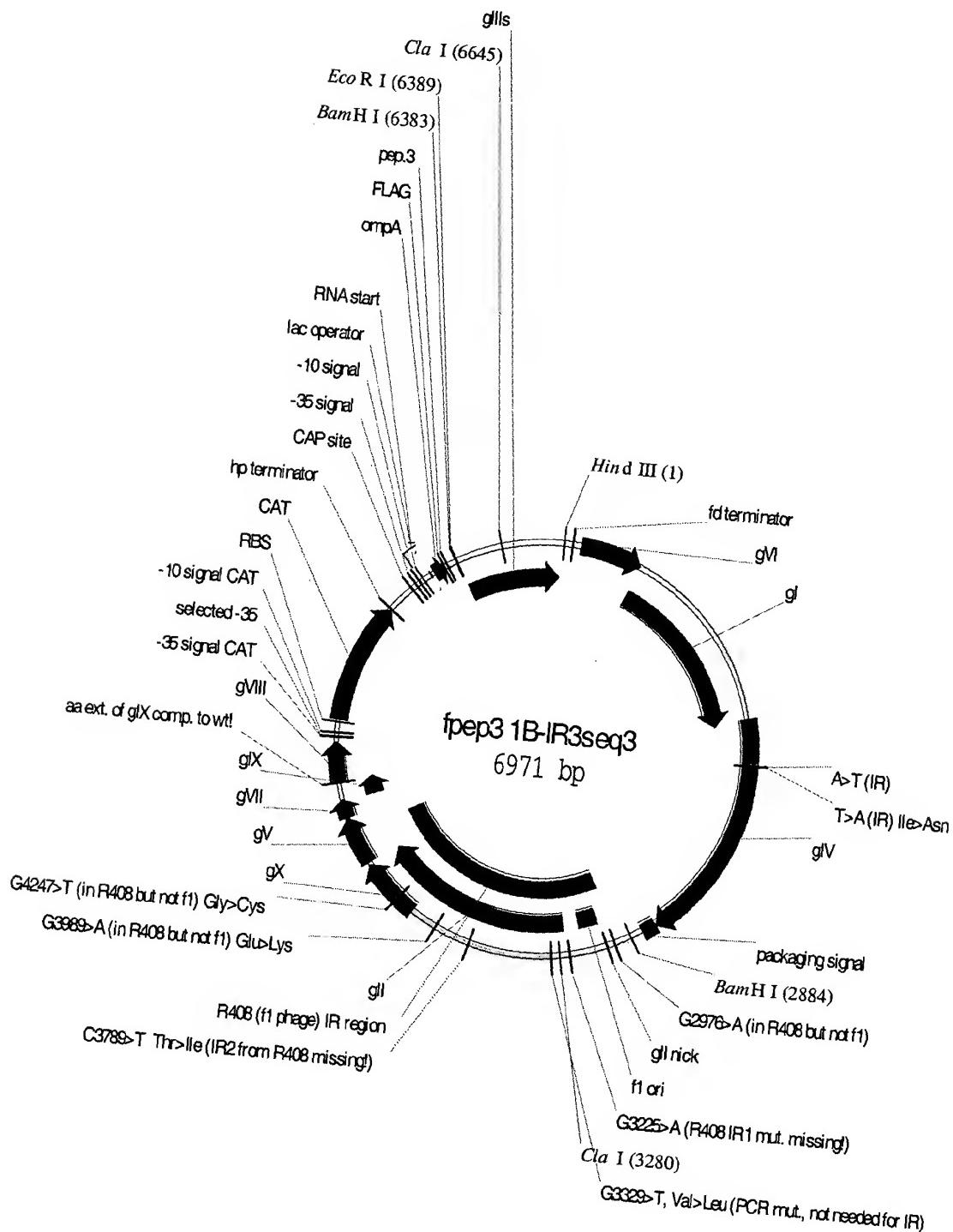
Fritz RUDERT et al.  
"NOVEL METHOD AND PHAGE FOR THE IDENTIFICATION OF  
NUCLEIC ACID SEQUENCES ENCODING MEMBERS OF A  
MULTIMERIC (POLY)PEPTIDE COMPLEX"  
Attorney Docket No.: 37629-0076

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AAATAACGAA TTAAAACGAT TGAGAGACGG AACGAACATG CTAAATAACC

7051 ATGTT  
TACAA

**Figure 4**



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1 AGCTTCGAGA AATTCACCTC GAAAGCAAGC TGATAAACCG ATACAATTAA
TCGAAGCTCT TTAAGTGGAG CTTCGTTCG ACTATTTGGC TATGTTAATT

51 AGGCTCCTT TGGAGCCTT TTTTTGGAG AATTAATTCA ATCATGCCAG
TCGAGGAAA ACCTCGGAAA AAAAAACCTC TTAATTAAGT TAGTACGGTC

101 TTCTTTGGG TATTCCGTTA TTATTGCGTT TCCTCGGTTT CCTTCTGGTA
AAGAAAACCC ATAAGGCAAT AATAACGCAA AGGAGCCAAA GGAAGACCAT

151 ACTTTGTCG GCTATCTGCT TACTTCCCTT AAAAAGGGCT TCGGTAAGAT
TGAAACAAGC CGATAGACGA ATGAAAGGAA TTTTCCCAG AGCCATTCTA

201 AGCTATTGCT ATTCATTGT TTCTTGCTCT TATTATTGGG CTAACTCAA
TCGATAACGA TAAAGTAACA AAGAACGAGA ATAATAACCC GAATTGAGTT

251 TTCTTGTGGG TTATCTCTCT GATATTAGCG CACAATTACC CTCTGATTTT
AAGAACACCC AATAGAGAGA CTATAATCGC GTGTTAATGG GAGACTAAAA

301 GTTCAGGGCG TTCAGTTAAT TCTCCCGTCT AATGCGCTTC CCTGTTTTA
CAAGTCCCGC AAGTCAATTAGAGA TTACGCGAAG GGACAAAAAT

351 TGTTATTCTC TCTGTAAAGG CTGCTATTTT CATTGGTAC GTAAACAAA
ACAATAAGAG AGACATTCC GACGATAAAA GTAAAAACTG CAATTGTTT

401 AAATCGTTTC TTATTTGGAT TGGGATAAAT AAATATGGCT GTTTATTTG
TTTAGCAAAG AATAAACCTA ACCCTATTAA TTTATACCGA CAAATAAAAC

451 TAACTGGCAA ATTAGGCTCT GGAAAGACGC TCGTTAGCGT TGGTAAGATT
ATTGACCGTT TAATCCGAGA CCTTCTGCG AGCAATCGCA ACCATTCTAA

501 CAGGATAAAA TTGTAGCTGG GTGCAAAATA GCAACTAATC TTGATTTAAG
GTCCTATTT AACATCGACC CACGTTTAT CGTTGATTAG AACTAAATTC

551 GCTTCAAAAC CTCCCGCAAG TCGGGAGGTT CGCTAAAACG CCTCGCGTTC
CGAAGTTTG GAGGGCGTTC AGCCCTCCAA GCGATTTGC GGAGCGCAAG

601 TTAGAATACC GGATAAGCCT TCTATTTCTG ATTTGCTTGC TATTGGTCGT
AATCTTATGG CCTATTGGA AGATAAAGAC TAAACGAACG ATAACCAGCA

651 GGTAAATGATT CCTACGACGA AAATAAAAAC GGTTGCTTG TTCTGATGA
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701 ATGCGGTACT TGGTTAATA CCCGTTCATG GAATGACAAG GAAAGACAGC
TACGCCATGA ACCAAATTAT GGGCAAGTAC CTTACTGTTC CTTCTGTCG

751 CGATTATTGA TTGGTTTCTT CATGCTCGTA AATTGGGATG GGATATTATT
GCTAATAACT AACCAAAGAA GTACGAGCAT TTAACCCTAC CCTATAATAA

801 TTTCTTGTTC AGGATTATC TATTGTTGAT AAACAGGCAGC GTTCTGCATT
AAAGAACAAAG TCCTAAATAG ATAACAACTA TTTGTCCGCG CAAGACGTAA

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851 AGCTAACAC GTGTTTATT GTCGCCGTCT GGACAGAATT ACTTTACCCCT
TCGACTTGTG CAACAAATAA CAGCGGCAGA CCTGTCTTAA TGAAATGGGA

901 TTGTCGGCAC TTTATATTCT CTTGTTACTG GCTAAAAAT GCCTCTGCCT
AACAGCCGTG AAATATAAGA GAACAATGAC CGAGTTTTA CGGAGACGGA

951 AAATTACATG TTGGTGTGT TAAATATGGT GATTCTCAAT TAAGCCCTAC
TTTAATGTAC AACACAAACA ATTATACCA CTAAGAGTTA ATTCGGGATG

1001 TGTTGAGCGT TGGCTTATA CTGTAAGAA TTTATATAAC GCATATGACA
ACAACTCGCA ACCGAAATAT GACCATTCTT AAATATATTG CGTATACTGT

1051 CTAACAGGC TTTTCCAGT AATTATGATT CAGGTGTTA TTCATATTAA
GATTGTCCG AAAAAGGTCA TTAATACTAA GTCCACAAAT AAGTATAAAT

1101 ACCCCTTATT TATCACACGG TCGGTATTTA AAACCATTAA ATTTAGGTCA
GGGGAATAA ATAGTGTGCC AGCCATAAAG TTTGTAATT TAAATCCAGT

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CAGAACGCTA TCCTAACCGT AGTCGTAAAT GTATATCAAT ATATTGGTT

1251 CCTAAGCCGG AGGTTAAAAA GGTAGTCTCT CAGACCTATG ATTTGATAA
GGATTGGCC TCCAATTAA CCATCAGAGA GTCTGGATAC TAAAACATT

1301 ATTCACTATT GACTCTTCTC AGCGTCTTAA TCTAAGCTAT CGCTATGTTT
TAAGTGTAA CTGAGAAGAG TCGCAGAATT AGATTCGATA GCGATACAAA

1351 TCAAGGATTC TAAGGGAAAA TTAATTAAATA GCGACGATT ACAGAAGCAA
AGTTCTAAG ATTCCCTTT AATTAATTAT CGCTGCTAAA TGTCTCGTT

1401 GGTTATTCCA TCACATATAT TGATTTATGT ACTGTTCAA TTAAAAAAGG
CCAATAAGGT AGTGTATATA ACTAAATACA TGACAAAGTT AATTTTTCC

1451 TAATTCAAAT GAAATTGTTA AATGTAATTA ATTTGTTTT CTTGATGTTT
ATTAAGTTA CTTAACAAAT TTACATTAAT TAAAACAAAA GAACTACAAA

1501 GTTCATCAT CTTCTTTGC TCAAGTAATT GAAATGAATA ATTCGCCTCT
CAAAGTAGTA GAAGAAAACG AGTCATTAA CTTTACTTAT TAAGCGGAGA

1551 GCGCGATTC GTGACTTGGT ATTCAAAGCA AACAGGTGAA TCTGTTATTG
CGCGCTAAAG CACTGAACCA TAAGTTCGT TTGTCCACTT AGACAATAAC

1601 TCTCACCTGA TGTTAAAGGT ACAGTGACTG TATATTCTC TGACGTTAAG
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1701 TGATATGGTT GGCTCTAAC CTTCCATAAT TCAGAAATAT AACCCAAATA
ACTATACCAA CCGAGATTAG GAAGGTATTA AGTCTTATA TTGGGTTTAT

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CAGTCCTAAT ATAACACTTT AACGGTAGTA GACTATAAGT CCTTATACTA

1801 GATAATTCCG CTCCTTCTGG TGTTTCTTT GTTCCGCAAATGATAATGT
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ATGAGTTTGT AAATTTAAT TATTGCAAGC GCGTTCCCTA AATTATTCCC

1901 TTGTAGAATT GTTTGTTAAA TCTAATACAT CTAAATCCTC AAATGTATTA
AACATCTAA CAAACAATT AGATTATGTA GATTTAGGAG TTTACATAAT

1951 TCTGTTGATG GTTCTAACTT ATTAGTAGTT AGCGCCCTA AAGATATTTT
AGACAACTAC CAAGATTGAA TAATCATCAA TCGCGGGGAT TTCTATAAAA

2001 AGATAACCTT CCGCAATTTC TTTCTACTGT TGATTTGCCA ACTGACCAGA
TCTATTGAA GGCCTTAAAG AAAGATGACA ACTAAACGGT TGACTGGTCT

2051 TATTGATTGA AGGATTAATT TTGAGGTTTC AGCAAGGTGA TGCTTTAGAT
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2401 CAAAATGTTG GTATTTCTAT GAGTGTAAAA CCCGTTGCCA TGGCTGGCGG
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28/39

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2701 TACGTGCTCG TCAAAGCAAC CATAGTACGC GCCCTGTAGC GGCGCATTAA
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2751 GCGCGGCCGG TGTTGGTGGTT ACGCGCAGCG TGACCGCTAC ACTTGCCAGC
CGCGCCGCC ACACCACCAA TGCGCGTCGC ACTGGCGATG TGAACGGTCG

2801 GCCCTAGCGC CCGCTCCTT CGCTTTCTTC CCTTCCTTTC TCGCCACGTT
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2901 GATTTAGTGC TTTACGGCAC CTCGACCTCC AAAAACTTGA TTTGGGTGAT  
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2951 GTTTCACGTA GTGGGCCATC GCCCTAATAG ACGGTTTTTC GCCCTTGAC  
CCAAGTGCAT CACCCGGTAG CGGGATTATC TGCCAAAAAG CGGGAAACTG  
  
3001 GTTGGAGTCC ACGTTCTTA ATAGTGGACT CTTGTTCCAA ACTGGAACAA  
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3051 CACTCAACCC TATCTCGGTC TATTCTTTG ATTTATAAGG GATTTGCCG  
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3101 ATTTCGGCCT ATTGGTTAAA AAATGAGCTG ATTTAACAAA AATTTAACGC  
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3151 GAATTTAAC AAAATATTAA CGTTTACAAT TTAAATATT GCTTATACAA  
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AGAAGGACAA AAACCCCGAA AAGACTAATA GTTGGCCCCA TGTATACTAA

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3351 CCCTCTCCGG CATGAATTAA TCAGCTAGAA CGGTTGAATA TCATATTGAT
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TGTAATGAGT CCGTAACGTA AATTTATAT ACTCCCAAGA TTTTTAAAAAA

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AGGATTAGA GTTGACTACT TAGAAAGATG GACATTATTA CAACAAGGCA

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4401 TAGTTCGTTT TATTAACGTA GATTTTCCTT CCCAACGTCC TGACTGGTAT
ATCAAGCAAA ATAATTGCAT CTAAAAAGAA GGGTGCAGG ACTGACCATA

4451 AATGAGCCAG TTCTTAAAAT CGCATAAGGT AATTACAAT GATTAAAGTT
TTACTCGGTC AAGAATTAA GCGTATTCCA TTAAGTGTAA CTAATTCAA

4501 GAAATTAAAC CATCTCAAGC GCAATTCACT ACCCGTTCTG GTGTTCTCG
CTTTAATTG GTAGAGTTCG CGTTAAGTGA TGGGCAAGAC CACAAAGAGC

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AGTCCCCTTC GGAATAAGTG ACTTACTCGT CGAAACAATG CAACTAAACC

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5201 AGGTTCCAAC TTTCACCAT A ATGAAATAAG ATCAACTACCG GGCGTATTTT
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CCTCAAGGCA TACCGTTACT TTCTGCCACT CGACCACTAT ACCCTATCAC

5551 TTCACCCCTG TTACACCGTT TTCCATGAGC AAACTGAAAC GTTTCATCG
AAGTGGGAAC AATGTGGCAA AAGGTACTCG TTTGACTTTG CAAAAGTAGC

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5801 CACTATGGGC AAATATTATA CGCAAGGCGA CAAGGTGCTG ATGCCGCTGG
GTGATACCCG TTTATAATAT GCGTTCCGCT GTTCCACGAC TACGGCGACC

5851 CGATTCAAGGT TCATCATGCC GTTGTGATG GCTTCCATGT CGGCAGAAATG
GCTAAGTCCA AGTAGTACGG CAAACACTAC CGAAGGTACA GCCGTCTTAC

5901 CTTAATGAAT TACAACAGTA CTGCGATGAG TGGCAGGGCG GGGCGTAATT
GAATTACTTA ATGTTGTCAT GACGCTACTC ACCGTCCCGC CCCGCATTAA

5951 TTTTTAAGGC AGTTATTGGT GCCCTTAAAC GCCTGGTGCT AGCCTGAGGC
AAAAATTCCG TCAATAACCA CGGGAATTG CGGACACAGA TCGGACTCCG

6001 CAGTTTGCTC AGGCTCTCCC CGTGGAGGTA ATAATTGCTC GACCGATAAA
GTCAAACGAG TCCGAGAGGG GCACCTCCAT TATTAACGAG CTGGCTATT

6051 AGCGGCTTCC TGACAGGAGG CCGTTTGTT TTGCAGCCCA CCTCAACGCA
TCGCCGAAGG ACTGTCCTCC GGCAAAACAA AACGTCGGGT GGAGTGCCT

6101 ATTAATGTGA GTTAGCTCAC TCATTAGGCA CCCCAGGCTT TACACTTAT
TAATTACACT CAATCGAGTG AGTAATCCGT GGGGTCCGAA ATGTGAAATA

6151 GCTTCCGGCT CGTATGTTGT GTGGAATTGT GAGCGGATAA CAATTTCACA
CGAAGGCCGA GCATACAACA CACCTTAACA CTCGCCTATT GTTAAAGTGT

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6201 CAGGAAACAG CTATGACCAT GATTACGAAT TTCTAGATAA CGAGGGCAAA
GTCCTTGTC GATACTGGTA CTAATGCTTA AAGATCTATT GCTCCCGTTT

6251 AAATGAAAAA GACAGCTATC GCGATTGCAG TGGCACTGGC TGGTTTCGCT
TTTACTTTT CTGTCGATAG CGCTAACGTC ACCGTGACCG ACCAAAGCGA

6301 ACCGTAGCGC AGGCCGACTA CAAAGATGTC GACTGTATTG TTTATCATGC
TGGCATCGCG TCCGGCTGAT GTTCTACAG CTGACATAAC AAATAGTACG

BamHI EcoRI

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6351 TCATTATCTT GTTGCTAAGT GTGGTGGTGG AGGATCCGAA TTCAATGCTG  
AGTAATAGAA CAACGATTCA CACCACCACC TCCTAGGCTT AAGTTACGAC  
  
6401 GCGGCGGCTC TGGTGGTGGT TCTGGTGGCG GCTCTGAGGG TGGTGGCTCT  
CGCCGCCGAG ACCACCACCA AGACCACCGC CGAGACTCCC ACCACCGAGA  
  
6451 GAGGGTGGCG GTTCTGAGGG TGGCGGCTCT GAGGGAGGCG GTTCCGGTGG  
CTCCCCACCGC CAAGACTCCC ACCGCCGAGA CTCCCTCCGC CAAGGCCACC  
  
6501 TGGCTCTGGT TCCGGTGATT TTGATTATGA AAAGATGGCA AACGCTAATA  
ACCGAGACCA AGGCCACTAA AACTAATACT TTTCTACCGT TTGCGATTAT  
  
6551 AGGGGGCTAT GACCGAAAAT GCCGATGAAA ACGCGCTACA GTCTGACGCT  
TCCCCCGATA CTGGCTTTA CGGCTACTTT TGCGCGATGT CAGACTGCGA

ClaI

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6601 AAAGGCAAAC TTGATTCTGT CGCTACTGAT TACGGTGCTG CTATCGATGG
TTTCCGTTTGA AACTAAGACA GCGATGACTA ATGCCACGAC GATAGCTACC

6651 TTTCATTGGT GACGTTCCG GCCTTGCTAA TGGTAATGGT GCTACTGGTG
AAAGTAACCA CTGCAAAGGC CGGAACGATT ACCATTACCA CGATGACCAC

6701 ATTTTGCTGG CTCTAATTCC CAAATGGCTC AAGTCGGTGA CGGTGATAAT
TAAAACGACC GAGATTAAGG GTTACCGAG TTCAGCCACT GCCACTATTA

6751 TCACCTTAA TGAATAATT CCCTCAATAT TTACCTTCCC TCCCTCAATC
AGTGGAAATT ACTTATTAAA GGCAGTTATA AATGGAAGGG AGGGAGTTAG

6801 GGTTGAATGT CGCCCTTTG TCTTGGCGC TGGTAAACCA TATGAATTTT
CCAACCTACA GCGGGAAAAC AGAAACCGCG ACCATTGGT ATACTTAAAA

6851 CTATTGATTG TGACAAAATA AACTTATTCC GTGGTGTCTT TGCGTTCTT
GATAACTAAC ACTGTTTAT TTGAATAAGG CACCAACAGAA ACGCAAAGAA

6901 TTATATGTTG CCACCTTTAT GTATGTATT TCTACGTTG CTAACATACT
AATATACAAC GGTGGAAATA CATAACATAAA AGATGCAAAC GATTGTATGA

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6951 GCGTAATAAG GAGTCTTGAT A
CGCATTATTC CTCAGAACTA T

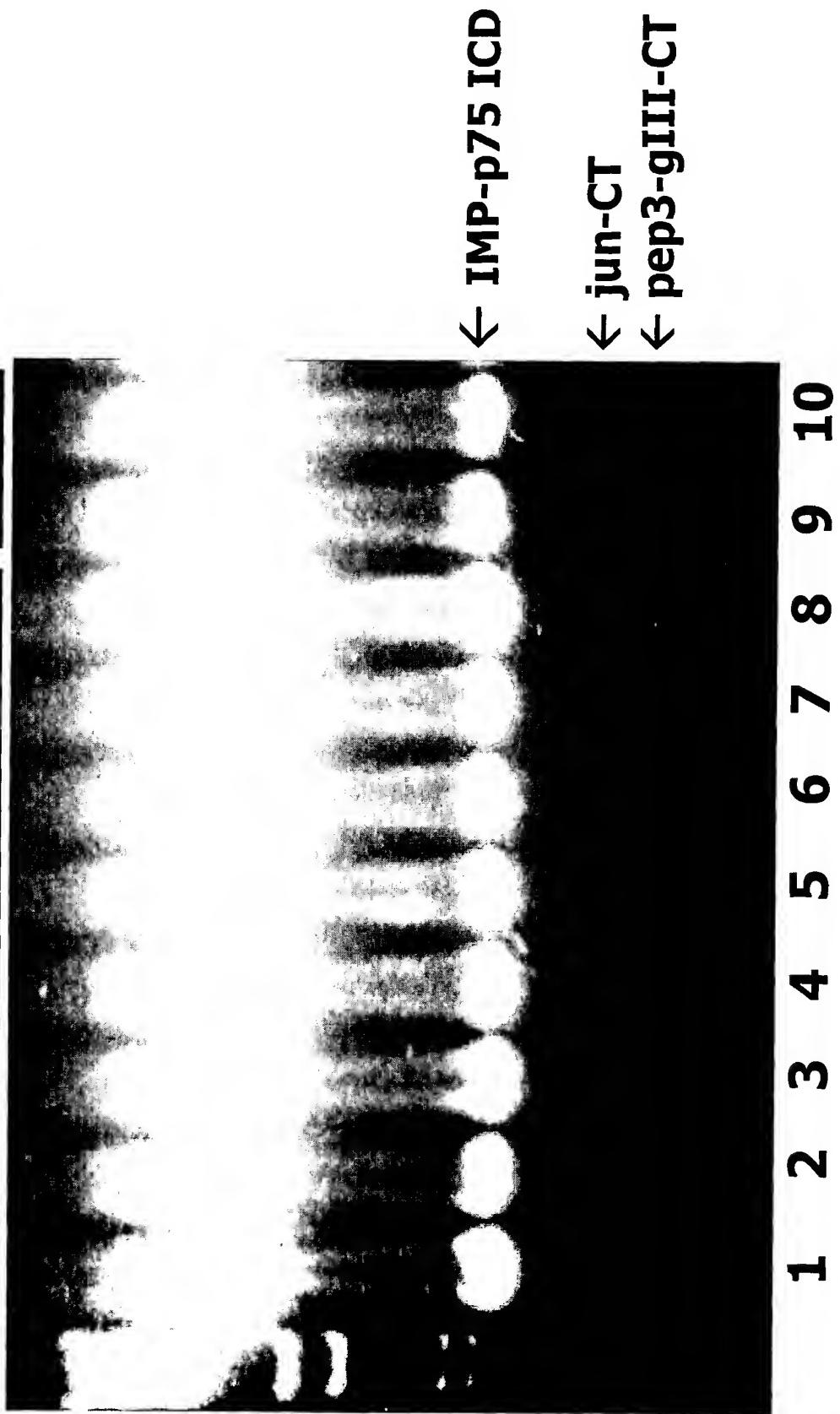
Figure 5

M A B C D E a b c d e M

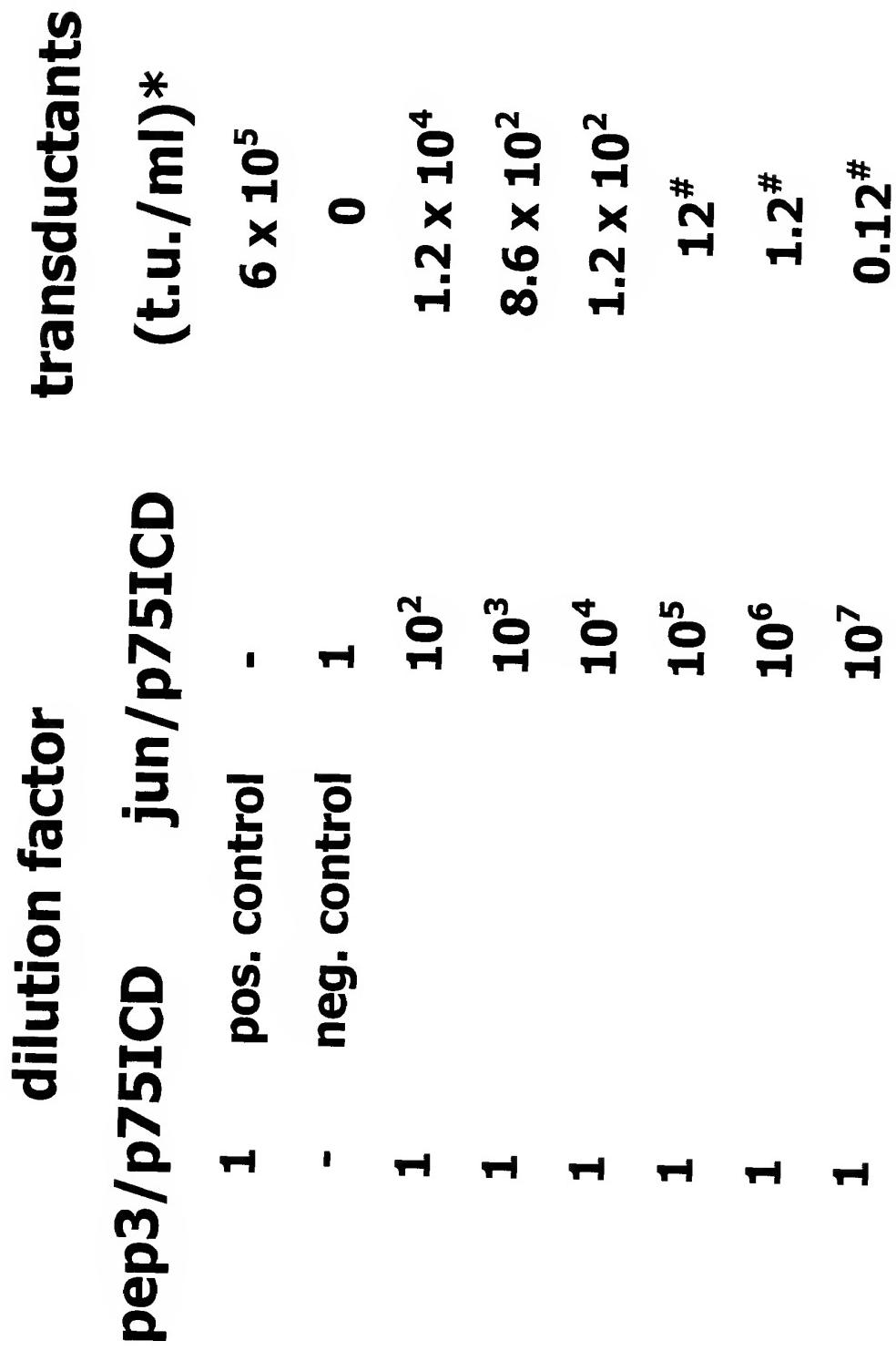


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Figure 6
M SIP Polyphage transductants transf.



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Figure 7

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Figure 8

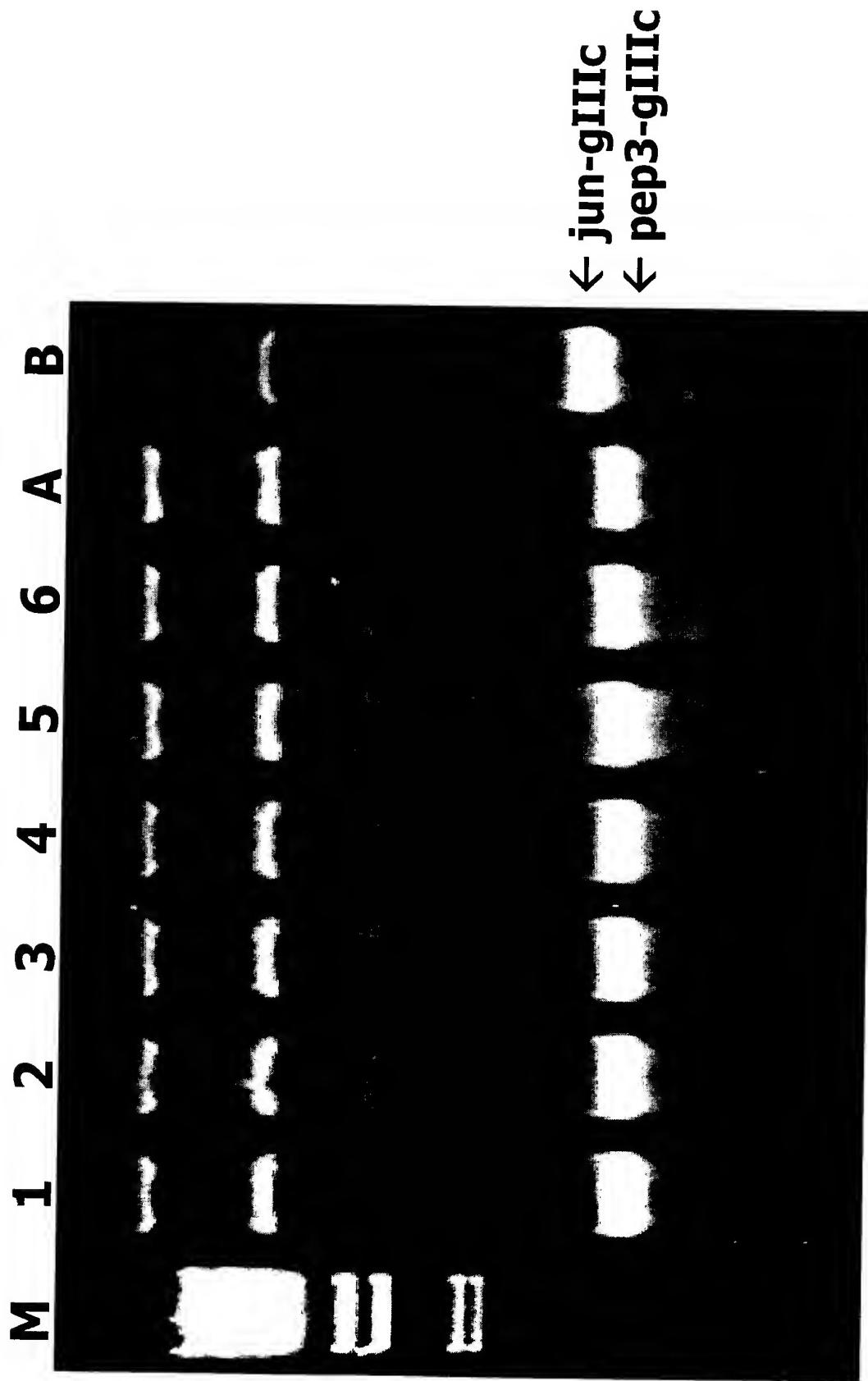


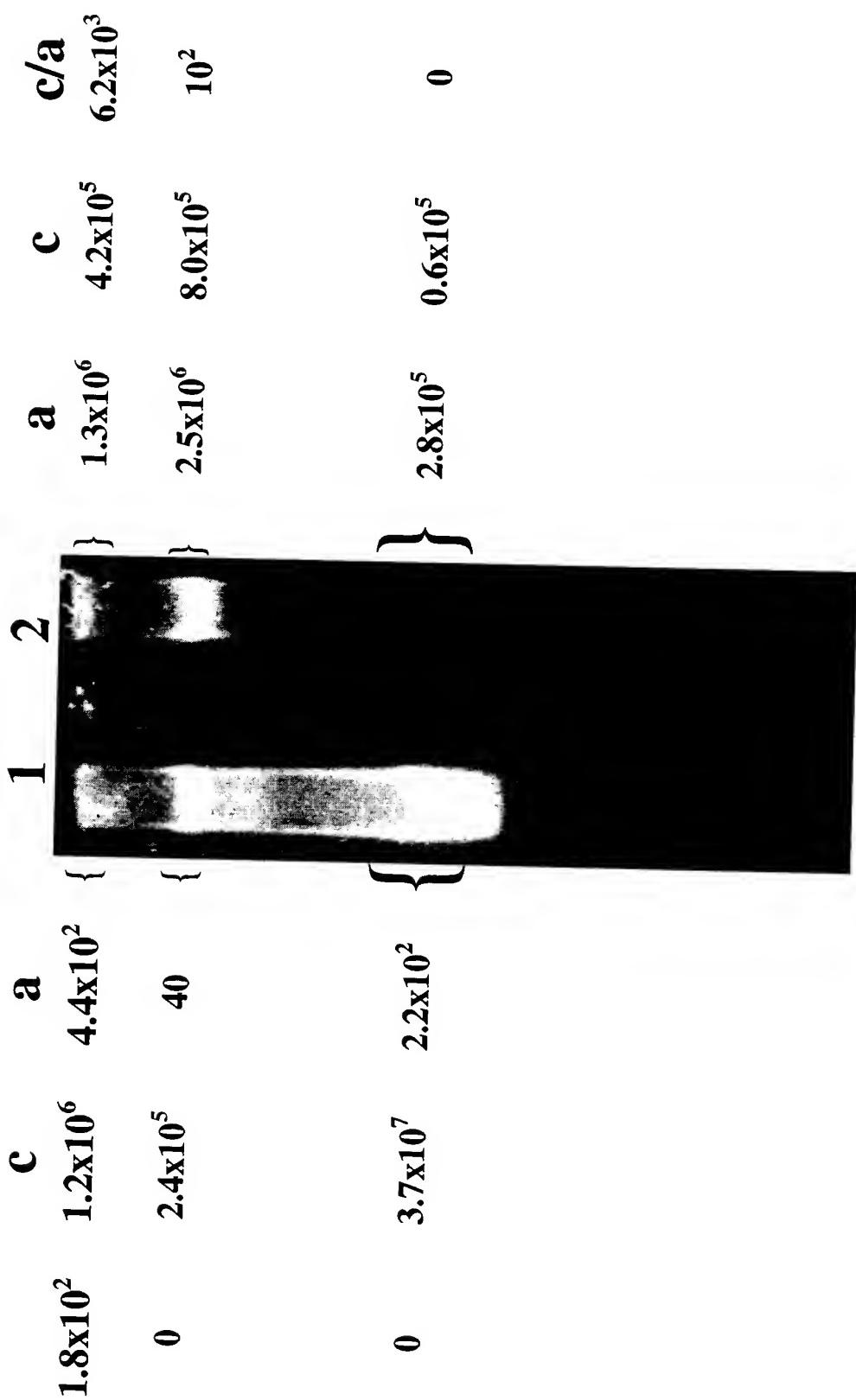
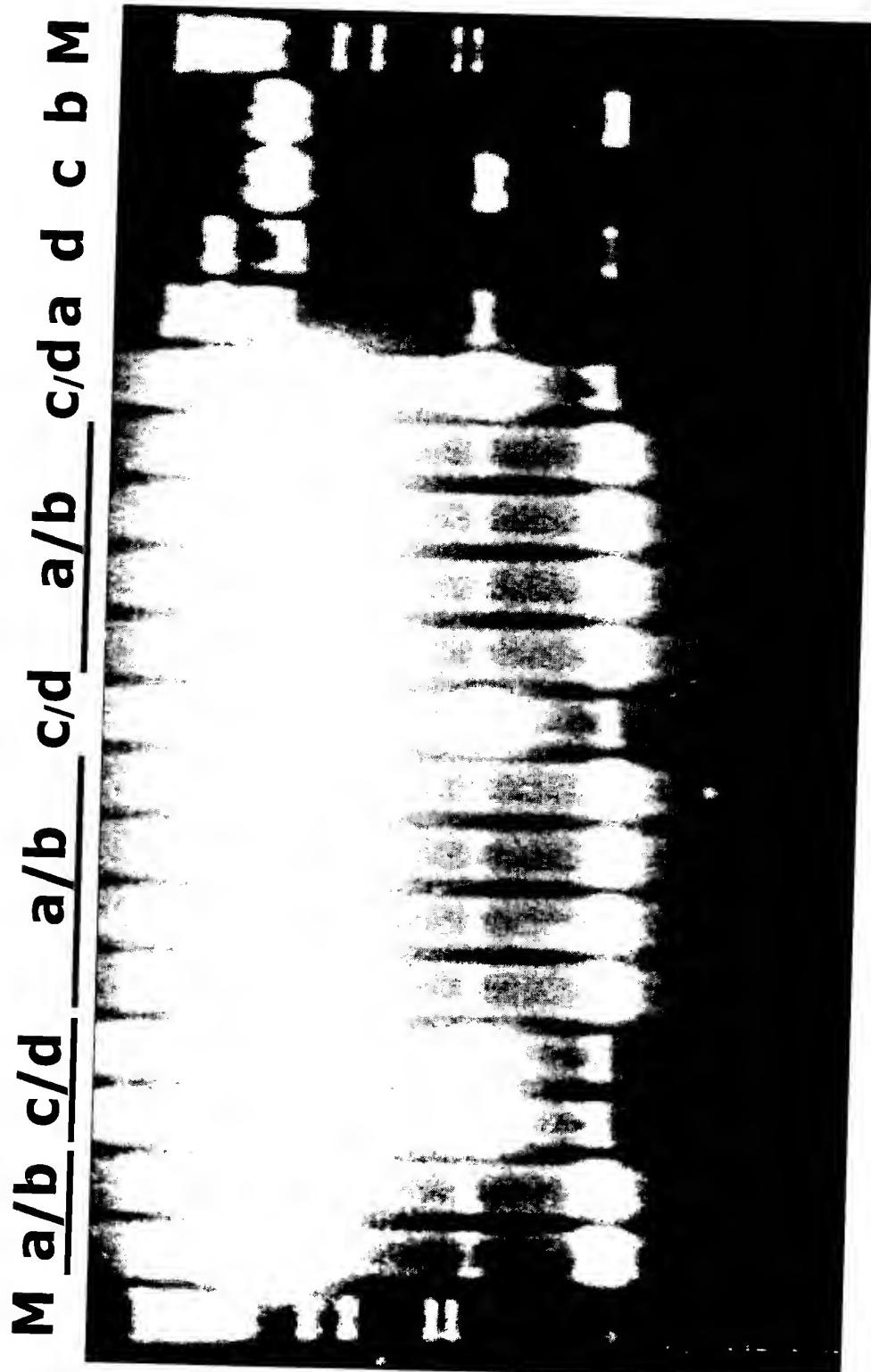
Figure 9

Figure 10



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